

AT4 wireless S.A.

Parque Tecnológico de Andalucía,
c/ Severo Ochoa nº 2
29590 Campanillas/ Málaga/ España
Tel. 952 61 91 00 - Fax 952 61 91 13
MÁLAGA, C.I.F. A29 507 456
Registro Mercantil Tomo 3693 Libro 2604
Folio 174 Hoja MA3729

TEST REPORT
REFERENCE STANDARD:
FCC Rules and Regulations 47 CFR Part 15, Subpart B
&
IC RSS-Gen Issue 2, June 2007
**FCC Rules and Regulations 47 CFR Part 15, Subpart B: Limits and methods of measurements
for radio frequency devices. Unintentional radiators.**
**IC RSS-Gen Issue 2, June 2007: General Requirements and Information for the Certification of
Radiocommunication Equipment**

| | |
|--|--|
| NIE | 28940REM.002 |
| Approved by (name / position & signature) | Juan Carlos Soler Consultant |
| Elaboration date | 2009-04-06 |
| Identification of item tested | Mobile Broadband Module |
| Trademark | Ericsson |
| Model and/or type reference | F3607gw / KRD 131 15/01 |
| Other identification of the product | FCC ID: VV7-MBMF3607GW1 IC Type Approval #: 287AG-MBMF3607GW1 IMEI: 004401700220888 Final HW version: R1 Final SW version: R1B08 |
| Features..... | QUAD BAND GSM/GPRS/EGPRS class 10, WCDMA Bands I/II/V/VI HSDPA Cat. 8 HSUPA Cat. 5 |
| Description | 3.5G Wireless PCI Express Module |
| Applicant | Ericsson AB |
| Address | Lindholmospiren 11 Gothenburg, Sweden |
| CIF/NIF/Passport..... | SE-417 56 |
| Contact person | Monika Fuller |
| Telephone / Fax | +46 10 712 1127 / +46 10 712 6033 |
| e-mail: | Monika.fuller@ericsson.com |

| Test samples supplier | Ericsson AB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------|------------------|-------------|--------------|-------|------------------|----------------------|---------------------------|-----|---------|--------------|-----------------|--------|---------|-------------------|-----------------|--------|---------|--|-----------------|---------|---------|------------------|-----------------|-----|---------|----------------|-----------------|------|---------|----------------|-----------------|---------|---------|----------------|-----------------|---------|---------|------------------|-----------------|-------|---------|
| Address..... | Lindholmspiren 11 Gothenburg, Sweden | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIF/NIF/Passport..... | SE-417 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contact person:..... | Monika Fuller | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Telephone / Fax | +46 10 712 1127 / +46 10 712 6033 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e-mail:..... | Monika.fuller@ericsson.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manufacturer | Ericsson AB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address..... | Lindholmspiren 11 Gothenburg, Sweden | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIF/NIF/Passport..... | SE-417 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Telephone / Fax | +46 10 712 1127 / +46 10 712 6033 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test method requested | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standard..... | FCC Rules and Regulations 47 CFR Part 15, Subpart B IC RSS-Gen Issue 2, June 2007 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test procedure: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. PEEM001: Medida de la tensión perturbadora en bornes de alimentación según EN 55022. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. PEEM002: Medida del campo perturbador radiado según EN 55022. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Instruments used: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 30%;">DESCRIPTION</th> <th style="width: 30%;">MANUFACTURER</th> <th style="width: 20%;">MODEL</th> <th style="width: 20%;">LAST CALIBRATION</th> </tr> </thead> <tbody> <tr> <td>Bilog Hibrid Antenna</td> <td>Sunol Science Corporation</td> <td>JB6</td> <td>2008-10</td> </tr> <tr> <td>Horn Antenna</td> <td>Hewlett Packard</td> <td>11966E</td> <td>2008-03</td> </tr> <tr> <td>EMI Test Receiver</td> <td>Rohde & Schwarz</td> <td>ESIB26</td> <td>2007-08</td> </tr> <tr> <td>Line Impedance Stabilized Network (LISN)</td> <td>Rohde & Schwarz</td> <td>ESH2-Z5</td> <td>2008-04</td> </tr> <tr> <td>Signal Generator</td> <td>Rohde & Schwarz</td> <td>SMH</td> <td>2008-04</td> </tr> <tr> <td>Millivoltmeter</td> <td>Rohde & Schwarz</td> <td>URV5</td> <td>2007-05</td> </tr> <tr> <td>Insertion Unit</td> <td>Rohde & Schwarz</td> <td>URV5-Z2</td> <td>2007-05</td> </tr> <tr> <td>Insertion Unit</td> <td>Rohde & Schwarz</td> <td>URV5-Z2</td> <td>2008-06</td> </tr> <tr> <td>Signal Generator</td> <td>Rohde & Schwarz</td> <td>SMT06</td> <td>2007-08</td> </tr> </tbody> </table> | | | | DESCRIPTION | MANUFACTURER | MODEL | LAST CALIBRATION | Bilog Hibrid Antenna | Sunol Science Corporation | JB6 | 2008-10 | Horn Antenna | Hewlett Packard | 11966E | 2008-03 | EMI Test Receiver | Rohde & Schwarz | ESIB26 | 2007-08 | Line Impedance Stabilized Network (LISN) | Rohde & Schwarz | ESH2-Z5 | 2008-04 | Signal Generator | Rohde & Schwarz | SMH | 2008-04 | Millivoltmeter | Rohde & Schwarz | URV5 | 2007-05 | Insertion Unit | Rohde & Schwarz | URV5-Z2 | 2007-05 | Insertion Unit | Rohde & Schwarz | URV5-Z2 | 2008-06 | Signal Generator | Rohde & Schwarz | SMT06 | 2007-08 |
| DESCRIPTION | MANUFACTURER | MODEL | LAST CALIBRATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilog Hibrid Antenna | Sunol Science Corporation | JB6 | 2008-10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Horn Antenna | Hewlett Packard | 11966E | 2008-03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EMI Test Receiver | Rohde & Schwarz | ESIB26 | 2007-08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Line Impedance Stabilized Network (LISN) | Rohde & Schwarz | ESH2-Z5 | 2008-04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signal Generator | Rohde & Schwarz | SMH | 2008-04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Millivoltmeter | Rohde & Schwarz | URV5 | 2007-05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Insertion Unit | Rohde & Schwarz | URV5-Z2 | 2007-05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Insertion Unit | Rohde & Schwarz | URV5-Z2 | 2008-06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signal Generator | Rohde & Schwarz | SMT06 | 2007-08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Report template No. | FDT08_09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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Competences and guarantees

This certificate of conformity was issued in accordance with the decision N° 3/2000 of the Joint Committee established under the Agreement on Mutual Recognition between the European Community and the United States of America. By this decision, AT4 wireless can act as Conformity Assessment Body (CAB) on Electromagnetic Compatibility. This Certificate applies to the samples listed at technical reports.

This laboratory is designed by the Federal Communications Commission (ES0004)

AT4 wireless is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, AT4 wireless has a calibration and maintenance programme for its measurement equipment.

AT4 wireless guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and, it is based on the knowledge and technical facilities available at AT4 wireless at the time of performance of the test.

AT4 wireless is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

General conditions

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of AT4 wireless.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of AT4 wireless and the Accreditation Bodies.

Uncertainty

Uncertainty (factor $k=2$) was calculated according to the following AT4 wireless' internal documents:

1. PODT000: Procedimiento para el cálculo de incertidumbres de medida
2. FEM12_07: Formato de cálculo de incertidumbre a aplicar en la medida de la tensión perturbadora en bornes de alimentación según EN 55022.
3. FEM13_08: Formato de cálculo de incertidumbre a aplicar en la medida del campo perturbador radiado según EN 55022.
4. FET298_01: Formato de cálculo de incertidumbre a aplicar en la medida del campo perturbador radiado entre 1 y 25 GHz.

Usage of samples

Samples undergoing test have been selected by: Ericsson AB

Sample S/01 is composed of the following elements:

| <u>Control N°</u> | <u>Description</u> | <u>Model</u> | <u>Serial N°</u> | <u>Date of reception</u> |
|-------------------|--------------------|-------------------------|--|--------------------------|
| 28940/30 | Wireless Module | F3607gw (KRD 131 15/01) | Final Hw Version: R1 Final Sw Version: R1B08 IMEI: 004401700220888 | 2009-02-20 |
| 28940/41 | Cradle | --- | --- | 2009-02-20 |
| 28940/55 | Support (Box) | 42W3831 | --- | 2009-02-20 |
| 28940/56 | Antenna | --- | --- | 2009-02-20 |
| 28940/57 | Support | --- | --- | 2009-02-20 |

Samples S/01 has undergone the next test(s):

- Continuous conducted emission, power leads:
 - Standard: FCC Rules and Regulations 47 CFR Part 15 / IC RSS-Gen Issue 2, June 2007
 - Method: FCC Rules and Regulations 47 CFR Part 15, Subpart B (Class B) / IC RSS-Gen Issue 2, June 2007
- Radiated emission, electromagnetic field:
 - Standard: FCC Rules and Regulations 47 CFR Part 15 / IC RSS-Gen Issue 2, June 2007
 - Method: FCC Rules and Regulations 47 CFR Part 15, Subpart B (Class B) / IC RSS-Gen Issue 2, June 2007

Testing period

The performed test started on 2009-03-30 and finished on the 2009-03-31.

The tests have been performed at AT4 wireless.

Environmental conditions

In the control chamber, the following limits were not exceeded during the test:

| | |
|-------------------------------|------------------------------|
| Temperature | Min. = 15 °C Max. = 35 °C |
| Relative humidity | Min. = 20 % Max. = 80 % |
| Shielding effectiveness | > 100 dB |
| Electric insulation | > 10 k Ω |
| Reference resistance to earth | < 0,5 Ω |

In the semianechoic chamber (21 meters x 11 meters x 8 meters), the following limits were not exceeded during the test.

| | |
|-------------------------------|--|
| Temperature | Min. = 15 °C Max. = 30 °C |
| Relative humidity | Min. = 45 % Max. = 60 % |
| Air pressure | Min. = 860 mbar Max. = 1060 mbar |
| Shielding effectiveness | > 100 dB |
| Electric insulation | > 10 k Ω |
| Reference resistance to earth | < 0,5 Ω |
| Normal site attenuation (NSA) | < ± 4 dB at 10 m distance between item under test and receiver antenna, (30 MHz to 1000 MHz) |
| Field homogeneity | More than 75% of illuminated surface is between 0 and 6 dB (26 MHz to 1000 MHz). |

In the chamber for conducted measurements, the following limits were not exceeded during the test:

| | |
|-------------------------------|-------------------------------------|
| Temperature | Min. = 15 °C Max. = 30 °C |
| Relative humidity | Min. = 45 % Max. = 60 % |
| Air pressure | Min. = 860 mbar Max. = 1060 mbar |
| Shielding effectiveness | > 100 dB |
| Electric insulation | > 10 k Ω |
| Reference resistance to earth | < 0,5 Ω |

Summary

Considering the results of the performed test according to standard **FCC Rules and Regulations 47 CFR Part 15, Subpart B** and **IC RSS-Gen Issue 2, June 2007**, the items under test are **IN COMPLIANCE** with the requested specifications specified in the standard.

NOTE: The results presented in this Test Report apply only to the particular item under test established in page 1 of this document, as presented for test on the date(s) shown in section, "USAGE OF SAMPLES, TESTING PERIOD AND ENVIRONMENTAL CONDITIONS".

Remarks and comments

The tests have been realized by the technical personnel: José Carlos Luque Muñoz.

The total uncertainty of the measurement system for the measured radio disturbance characteristics of EUT from 150 kHz to 30 MHz is $I = \pm 3$ dB for quasi-peak measurements, $I = \pm 2,8$ dB for peak measurements ($k = 2$).

The total uncertainty of the measurement system for the measured radio disturbance characteristics of EUT from 30 MHz to 1 GHz is $I = \pm 3,1$ dB for quasi-peak measurements, $I = \pm 2,9$ dB for peak measurements ($k = 2$) and from 1 to 12,75 GHz is $I = \pm 4,04$ dB for average measurements. And for average measurements from 1 to 12,75 GHz the uncertainty $I = \pm 4,04$ dB and from 12,75 GHz to 25 GHz is 4,21 dB.

Testing verdicts

Not applicable : NA

Pass..... : P

Fail..... : F

Not measured..... : NM

APPENDIX A

Test Result

APPENDIX A CONTENT:

| | |
|--|----|
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| RADIATED EMISSION. ELECTROMAGNETIC FIELD MEASURE. | 10 |
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DESCRIPTION OF THE OPERATION MODES

The operation modes described in this paragraph constitute a functionality of the sample under test for itself. Every operation mode takes a failure criteria for the immunity test that they were applying to it and a monitoring to guarantee performance of the same ones.

In the following table appears the operation modes used by the samples tested to that it refers the present test report.

| OPERATION MODE | DESCRIPTION |
|----------------|--------------------------------|
| OM#01 | EUT ON. Idle 850 MHz. GPS ON. |
| OM#02 | EUT ON. TCH 850 MHz. GPS ON. |
| OM#03 | EUT ON. IDLE 1900 MHz. GPS ON. |
| OM#04 | EUT ON. TCH 1900 MHz. GPS ON. |

RADIATED EMISSION. ELECTROMAGNETIC FIELD MEASURE.

| | | |
|----------------|--------------------|--|
| LIMITS: | Product standard : | FCC RULES AND REGULATIONS 47 CFR PART 15, SUBPART B. & IC RSS-GEN ISSUE 2, JUNE 2007 |
| | Test standard : | FCC RULES AND REGULATIONS 47 CFR PART 15, SUBPART B. & IC RSS-GEN ISSUE 2, JUNE 2007 |

LIMITS OF INTERFERENCE CLASS B

The applied limit for radiated emissions, 3 m distance, according with the requirements of FCC Rules and Regulations 47 CFR Part 15, Subpart B in the frequency range 30 MHz to 12,5 GHz, for Class B equipment, which is a transmitter in a band over 500 MHz, was:

| Frequency range (MHz) | Limit for 3 m (μ V/m) | Limit for 3 m (dB μ V/m) |
|--------------------------|-------------------------------|---------------------------------|
| 30 to 88 | 100 | 40 |
| 88 to 216 | 150 | 43,52 |
| 216 to 960 | 200 | 46,02 |
| Above 960 | 500 | 53,98 |

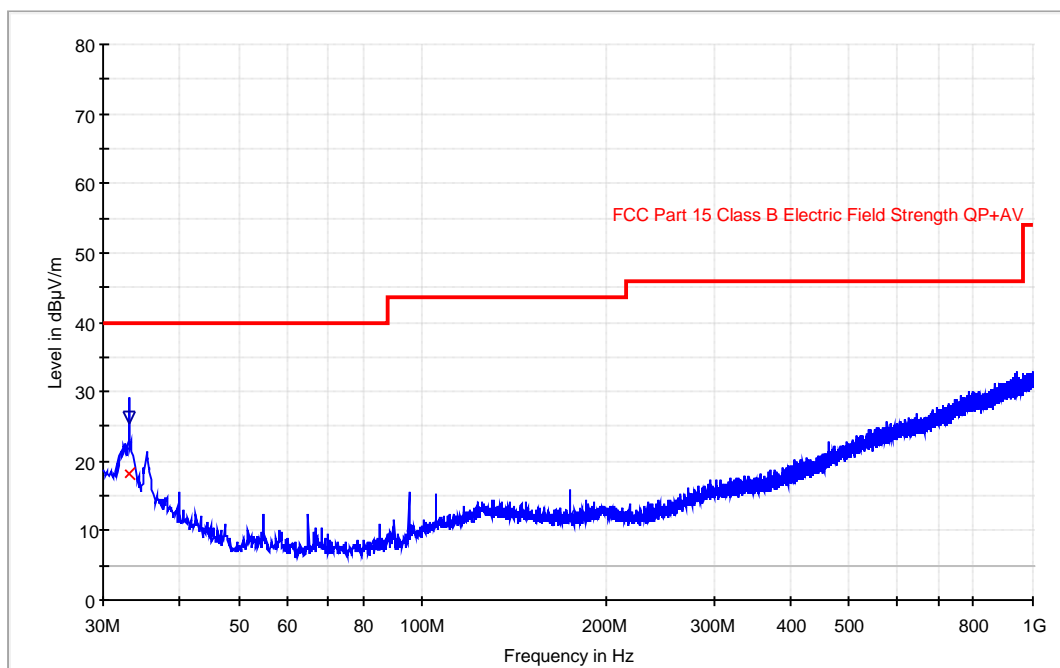
| | |
|--------------------------------|--|
| TESTED SAMPLES: | S/01 |
| TESTED OPERATION MODES: | OM#01 & 03. |
| TEST RESULTS : | CRmmnn: CR, Radiation Condition; mm: Sample number; nn: Operation mode, xx: Polarisation. |

| CRmmnn | Description | Result |
|----------|--|--------|
| CR0101 | EUT ON. Idle 850 MHz. GPS ON. Range 30 - 1000 MHz. | P |
| CR0103 | EUT ON. Idle 1900 MHz. GPS ON. Range 30 - 1000 MHz. | P |
| CR0101PH | EUT ON. Idle 850 MHz. GPS ON. Range 1 – 12.5 GHz. Horizontal polarisation | P |
| CR0101PV | EUT ON. Idle 850 MHz. GPS ON. Range 1 – 12.5 GHz. Vertical polarisation. | P |
| CR0103PH | EUT ON. Idle 1900 MHz. GPS ON. Range 1 – 12.5 GHz. Horizontal polarisation | P |
| CR0103PV | EUT ON. Idle 1900 MHz. GPS ON. Range 1 – 12.5 GHz. Vertical polarisation. | P |

Radiated Emission: CR0101 (30MHz to 1GHz)

Project: 28940iem.002
 Company: Ericsson
 Sample: S/01
 Operation Mode: OM#01
 Date: 2009-03-30 23:51
 Setup: EMI radiated
 Mode: EUT ON. Idle 850MHz. GPS On.

FCC class B Bilog Hibrida



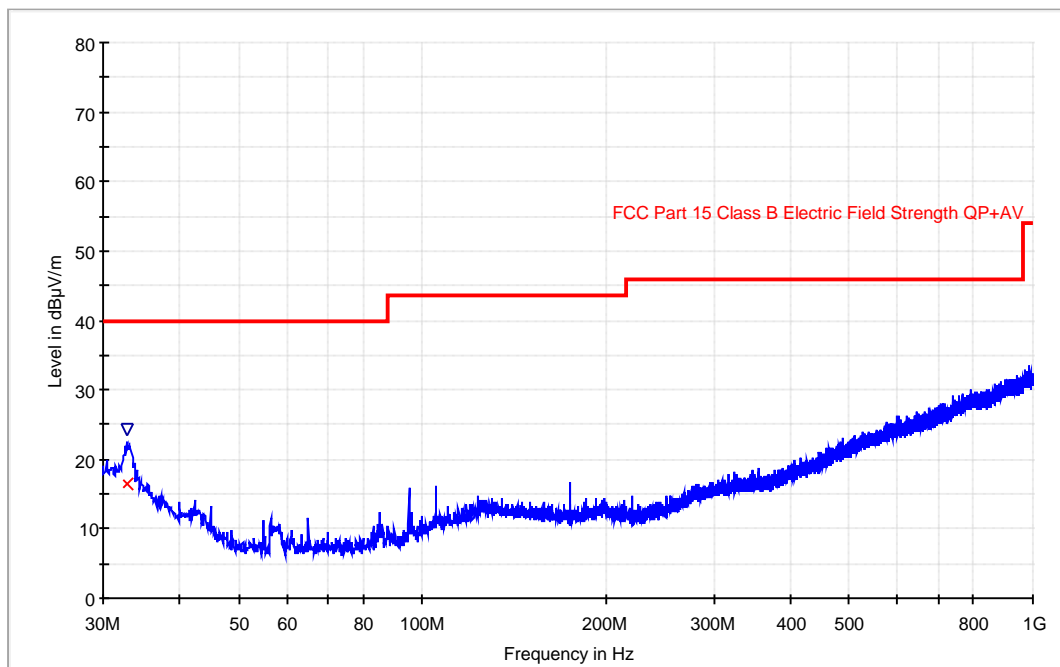
Maximized

| Frequency (MHz) | QuasiPeak (dBμV/m) | MaxPeak (dBμV/m) | Antenna height (cm) | Polarity | Turntable position (deg) |
|-----------------|--------------------|------------------|---------------------|----------|--------------------------|
| 33.143086 | 18.3 | 26.3 | 117.00 | V | 283.0 |

Radiated Emission: CR0103 (30MHz to 1GHz)

Project: 28940iem.002
 Company: Ericsson
 Sample: S/01
 Operation Mode: OM#03
 Date: 2009-03-31 01:01
 Setup: EMI radiated
 Mode: EUT ON. Idle 1900MHz. GPS On.

FCC class B Bilog Hibrida



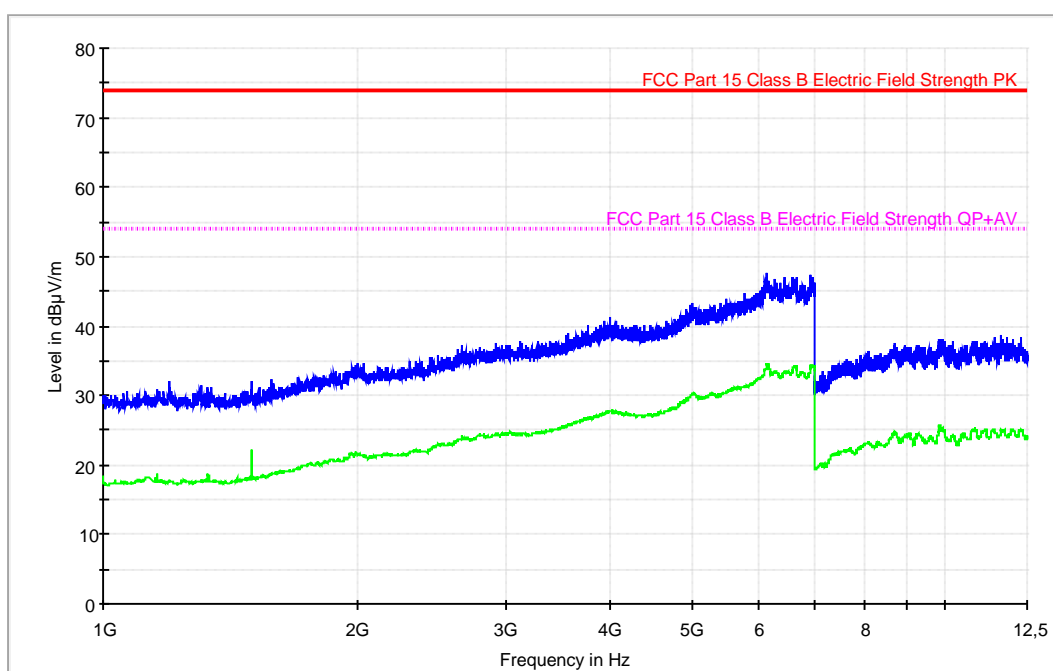
Maximized

| Frequency (MHz) | QuasiPeak (dBµV/m) | MaxPeak (dBµV/m) | Antenna height (cm) | Polarity | Turntable position (deg) |
|-----------------|--------------------|------------------|---------------------|----------|--------------------------|
| 32.742886 | 16.3 | 24.3 | 114.00 | V | 123.0 |

Radiated Emission: CR0101 (1GHz to 12.5GHz Horizontal polarisation)

Project: 28940iem.002
 Company: Ericsson
 Sample: S/01
 Operation Mode: OM#01
 Date: 2009-03-31 04:29
 Setup: EMI radiated
 Mode: EUT ON. Idle 850MHz. GPS On. Horizontal polarization.

FCC 1-12.5GHz class B



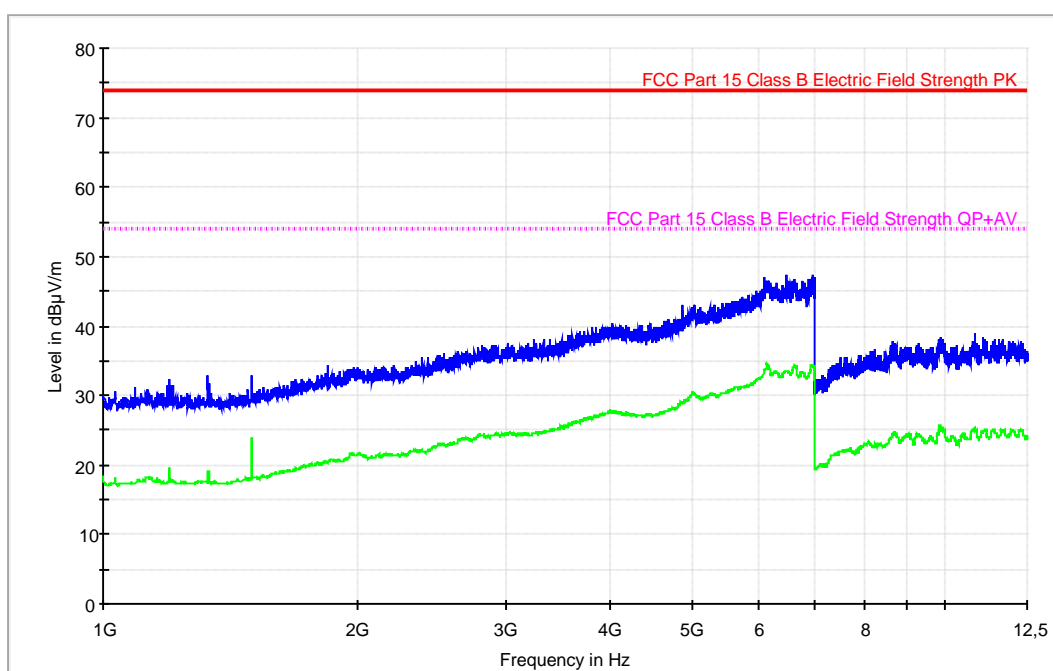
Subrange Maxima

| Frequency (MHz) | MaxPeak-ClearWrite (dBµV/m) | Average-ClearWrite (dBµV/m) | Comment |
|-----------------|-----------------------------|-----------------------------|---------|
| 1199.000000 | 32.1 | 18.0 | |
| 1500.000000 | 32.1 | 22.2 | |
| 2671.000000 | 37.2 | 24.0 | |
| 3768.000000 | 40.1 | 26.7 | |
| 3992.000000 | 41.4 | 27.7 | |
| 5013.000000 | 43.4 | 30.4 | |
| 6139.000000 | 47.5 | 34.4 | |
| 6921.000000 | 47.4 | 33.8 | |
| 9954.000000 | 38.2 | 25.0 | |
| 11663.000000 | 38.6 | 24.8 | |

Radiated Emission: CR0101 (1GHz to 12.5GHz Vertical polarisation)

Project: 28940iem.002
 Company: Ericsson
 Sample: S/01
 Operation Mode: OM#01
 Date: 2009-03-31 04:31
 Setup: EMI radiated
 Mode: EUT ON. Idle 850MHz. GPS On. Vertical polarization.

FCC 1-12.5GHz class B



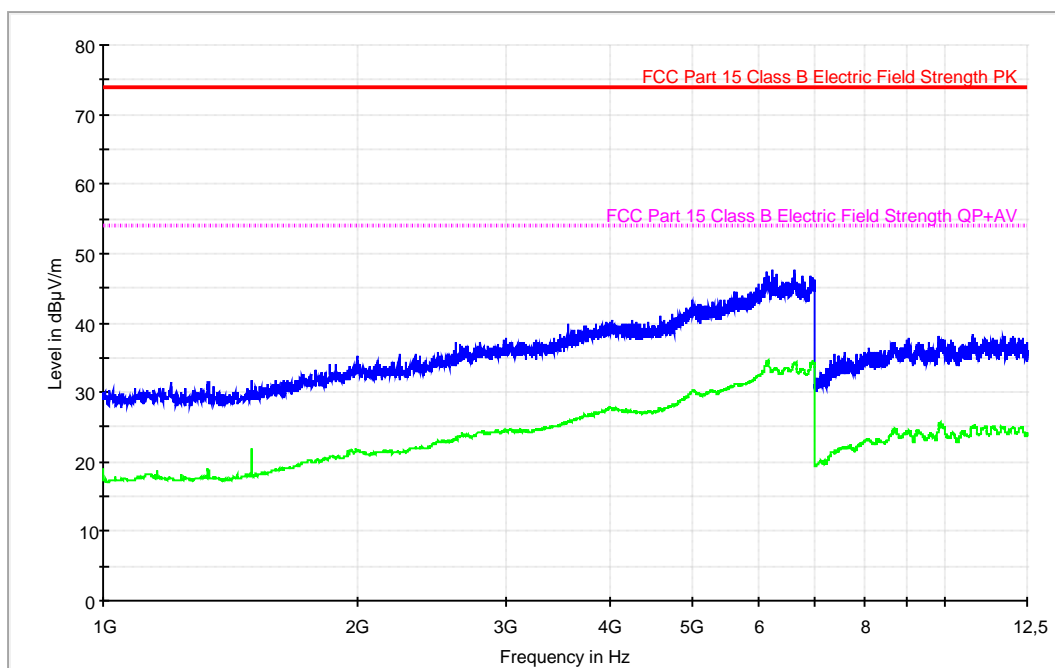
Subrange Maxima

| Frequency (MHz) | MaxPeak-ClearWrite (dBµV/m) | Average-ClearWrite (dBµV/m) | Comment |
|-----------------|-----------------------------|-----------------------------|---------|
| 1332.000000 | 33.0 | 19.1 | |
| 1500.000000 | 32.9 | 23.9 | |
| 1846.000000 | 34.4 | 20.3 | |
| 3341.000000 | 38.1 | 24.7 | |
| 4020.000000 | 40.5 | 27.7 | |
| 4881.000000 | 43.0 | 28.9 | |
| 6475.000000 | 47.4 | 33.4 | |
| 6970.000000 | 47.3 | 34.2 | |
| 9850.000000 | 38.5 | 25.7 | |
| 10832.000000 | 39.0 | 25.1 | |

Radiated Emission: CR0103 (1GHz to 12.5GHz Horizontal polarisation)

Project: 28940iem.002
 Company: Ericsson
 Sample: S/01
 Operation Mode: OM#03
 Date: 2009-03-31 04:32
 Setup: EMI radiated
 Mode: EUT ON. Idle 1900MHz. GPS On. Horizontal polarization.

FCC 1-12.5GHz class B



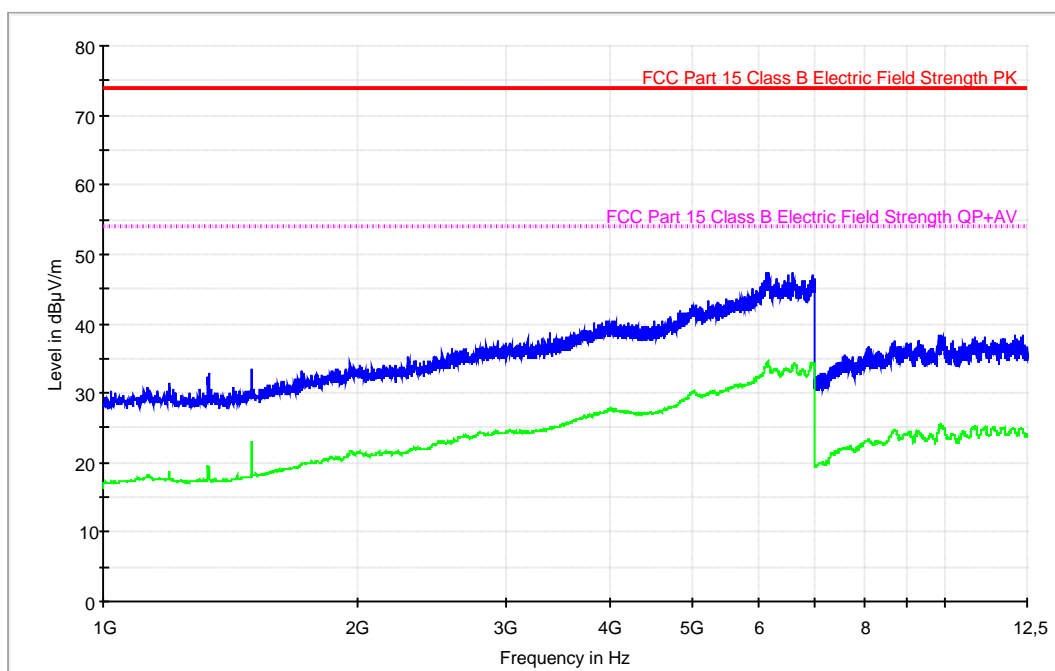
Subrange Maxima

| Frequency (MHz) | MaxPeak-ClearWrite (dBμV/m) | Average-ClearWrite (dBμV/m) | Comment |
|-----------------|-----------------------------|-----------------------------|---------|
| 1202.000000 | 31.6 | 17.6 | |
| 1500.000000 | 31.7 | 21.9 | |
| 1861.000000 | 34.2 | 20.7 | |
| 2245.000000 | 35.7 | 21.4 | |
| 2808.000000 | 37.2 | 24.3 | |
| 3492.000000 | 38.5 | 25.2 | |
| 4011.000000 | 40.3 | 27.8 | |
| 5008.000000 | 43.2 | 30.2 | |
| 6247.000000 | 47.6 | 33.2 | |
| 6929.000000 | 46.7 | 34.0 | |
| 9848.000000 | 38.0 | 25.7 | |
| 10760.000000 | 38.5 | 25.0 | |

Radiated Emission: CR0103 (1GHz to 12.5GHz Vertical polarisation)

Project: 28940iem.002
 Company: Ericsson
 Sample: S/01
 Operation Mode: OM#03
 Date: 2009-03-31 04:34
 Setup: EMI radiated
 Mode: EUT ON. Idle 1900MHz. GPS On. Vertical Polarization.

FCC 1-12.5GHz class B



Subrange Maxima

| Frequency (MHz) | MaxPeak-ClearWrite (dBµV/m) | Average-ClearWrite (dBµV/m) | Comment |
|-----------------|-----------------------------|-----------------------------|---------|
| 1199.000000 | 31.6 | 18.8 | |
| 1500.000000 | 33.6 | 23.2 | |
| 1718.000000 | 33.2 | 19.7 | |
| 2302.000000 | 35.2 | 21.6 | |
| 2855.000000 | 36.9 | 24.1 | |
| 3387.000000 | 38.7 | 24.9 | |
| 3969.000000 | 40.5 | 27.6 | |
| 5237.000000 | 43.3 | 30.0 | |
| 6594.000000 | 47.3 | 33.9 | |
| 6953.000000 | 47.1 | 34.4 | |
| 9894.000000 | 38.5 | 25.2 | |
| 12343.000000 | 38.5 | 24.7 | |

CONTINUOUS CONDUCTED EMISSION ON POWER LEADS

| | | |
|----------------|--------------------|--|
| LIMITS: | Product standard : | FCC RULES AND REGULATIONS 47 CFR PART 15, SUBPART B. & IC RSS-GEN ISSUE 2, JUNE 2007 |
| | Test standard : | FCC RULES AND REGULATIONS 47 CFR PART 15, SUBPART B. & IC RSS-GEN ISSUE 2, JUNE 2007 |

CLASS B

The applied limit for continuous conducted emissions in power leads, according with the requirements of FCC Rules and Regulations 47 CFR Part 15, Subpart B in the frequency range 0,15 to 30 MHz, for Class B equipment was:

| Frequency range (MHz) | Limit (dB μ V) | |
|--------------------------|--------------------|---------|
| | Quasi-peak | Average |
| 0,15 to 0,5 | 66-56 | 56-46 |
| 0,5 to 5 | 56 | 46 |
| 5 to 30 | 60 | 50 |

| | |
|--------------------------------|--|
| TESTED SAMPLES: | S/01 |
| TESTED OPERATION MODES: | OM#01 to OM#04 |
| TEST RESULTS : | CCmmnnhh: CC, Conducted Condition; mm: Sample number; nn: Operation mode; hh: wire |

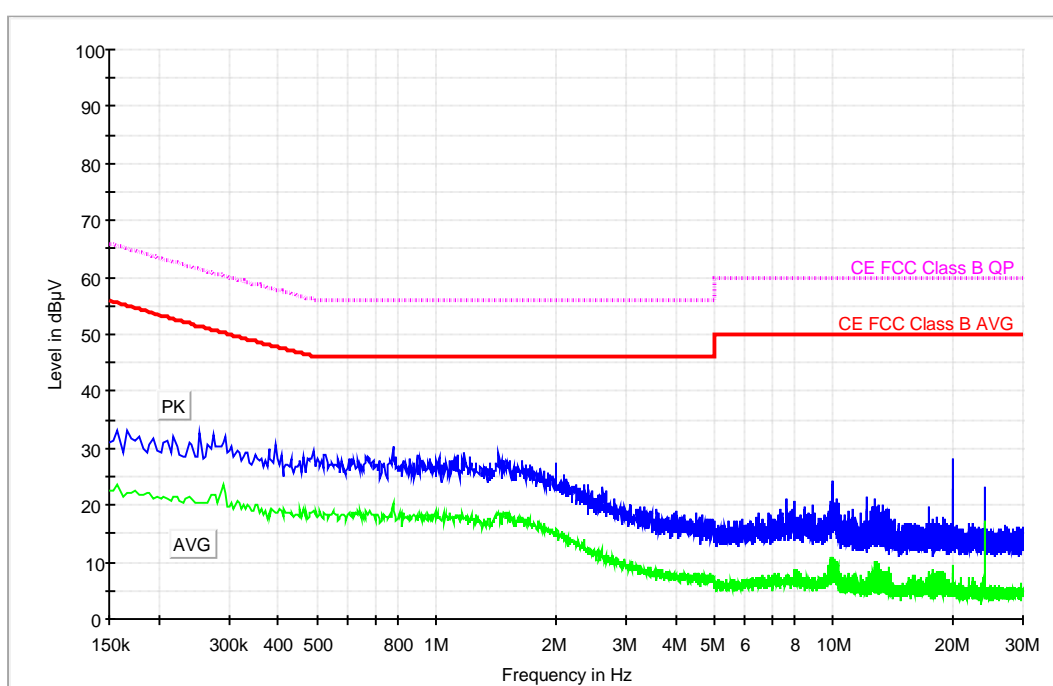
| CCmmnnhh | Description | Result |
|----------|---------------------|--------|
| CC0101PO | Positive wire noise | P |
| CC0101NE | Negative wire noise | P |
| CC0102PO | Positive wire noise | P |
| CC0102NE | Negative wire noise | P |
| CC0103PO | Positive wire noise | P |
| CC0103NE | Negative wire noise | P |
| CC0104PO | Positive wire noise | P |
| CC0104NE | Negative wire noise | P |

Continuous Conducted emission : CC0101PO

Detector : Peak / Average / Cuasi-peak

Project: 28940iem.002
 Company: ERICSSON
 Sample: S/01
 Operation Mode: OM#01
 Date: 2009-03-31 14:35
 Setup: EMI conducted
 Mode: EUT ON. IDLE 850MHz. Positive noise.

EC FCC Class B ESPI CC



Max PK-AVG

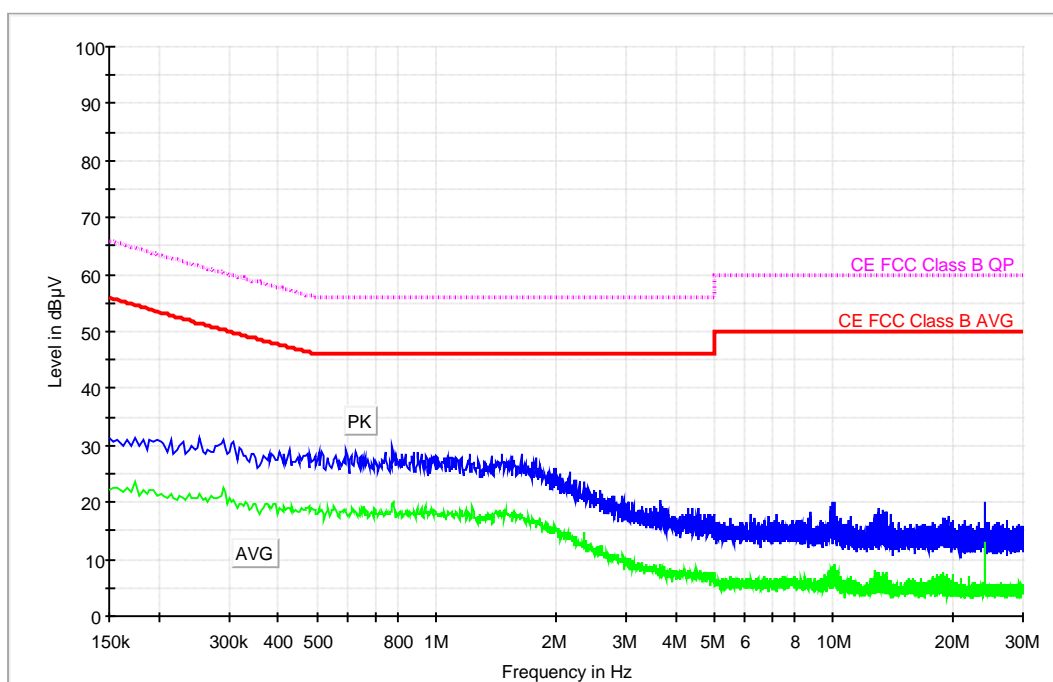
| Frequency (MHz) | MaxPeak-ClearWrite (dBμV) | Average-ClearWrite (dBμV) |
|-----------------|---------------------------|---------------------------|
| 0.522000 | 28.7 | 18.8 |
| 0.526000 | 28.9 | 18.2 |
| 0.666000 | 28.6 | 19.2 |
| 0.674000 | 28.5 | 18.4 |
| 0.778000 | 30.3 | 20.5 |
| 0.790000 | 28.6 | 17.3 |
| 0.894000 | 29.0 | 18.2 |
| 1.114000 | 28.4 | 18.1 |
| 1.134000 | 28.8 | 18.1 |
| 1.178000 | 29.1 | 17.7 |
| 1.214000 | 28.6 | 17.1 |
| 1.434000 | 29.1 | 18.3 |

Continuous Conducted emission : CC0101NE

Detector : Peak / Average / Cuasi-peak

Project: 28940iem.002
 Company: ERICSSON
 Sample: S/01
 Operation Mode: OM#01
 Date: 2009-03-31 14:38
 Setup: EMI conducted
 Mode: EUT ON. IDLE 850MHz. Negative noise.

EC FCC Clase B ESPI CC



Max PK-AVG

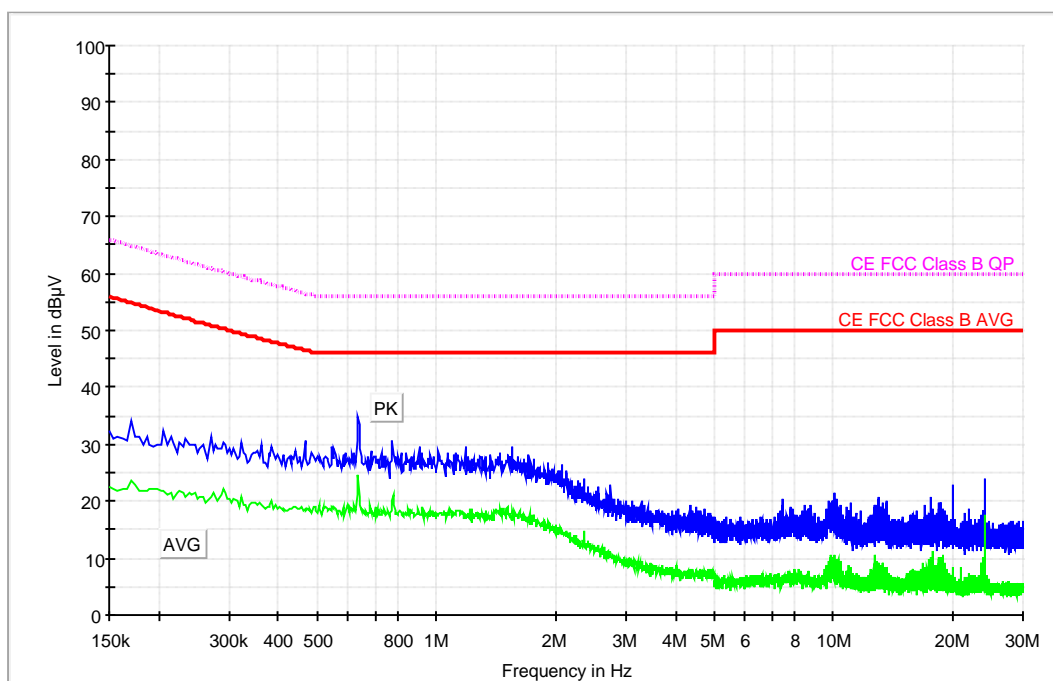
| Frequency (MHz) | MaxPeak-ClearWrite (dBμV) | Average-ClearWrite (dBμV) |
|-----------------|---------------------------|---------------------------|
| 0.506000 | 28.9 | 18.9 |
| 0.514000 | 28.8 | 18.7 |
| 0.594000 | 29.4 | 18.4 |
| 0.626000 | 28.7 | 18.4 |
| 0.742000 | 28.8 | 18.3 |
| 0.774000 | 29.8 | 19.7 |
| 0.778000 | 28.7 | 20.2 |
| 0.834000 | 28.6 | 18.1 |
| 0.878000 | 28.7 | 17.7 |
| 0.898000 | 28.9 | 18.1 |
| 0.914000 | 28.7 | 19.1 |
| 0.918000 | 28.5 | 18.3 |

Continuous Conducted emission : CC0102PO

Detector : Peak / Average / Cuasi-peak

Project: 28940iem.002
 Company: ERICSSON
 Sample: S/01
 Operation Mode: OM#02
 Date: 2009-03-31 14:28
 Setup: EMI conducted
 Mode: EUT ON. TCH 850MHz. Positive noise.

EC FCC Class B ESPI CC



Max PK-AVG

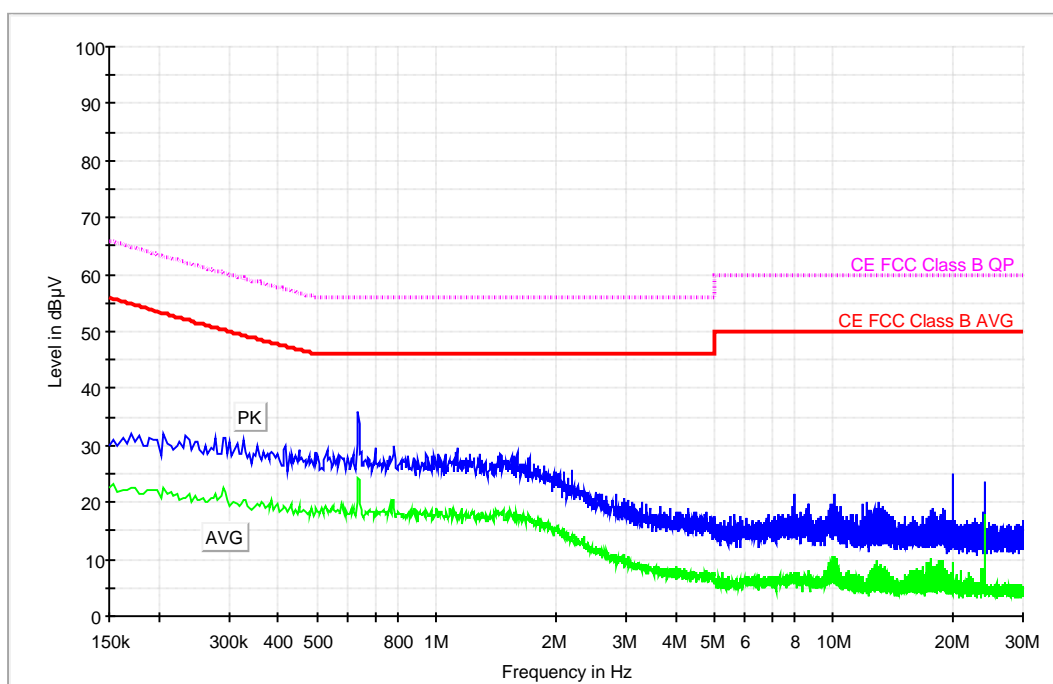
| Frequency (MHz) | MaxPeak-ClearWrite (dBμV) | Average-ClearWrite (dBμV) |
|-----------------|---------------------------|---------------------------|
| 0.546000 | 29.5 | 18.9 |
| 0.554000 | 29.2 | 19.0 |
| 0.630000 | 30.6 | 21.0 |
| 0.634000 | 34.8 | 24.5 |
| 0.638000 | 33.5 | 20.9 |
| 0.642000 | 29.2 | 19.2 |
| 0.686000 | 28.7 | 17.9 |
| 0.774000 | 30.7 | 20.2 |
| 0.906000 | 29.7 | 17.6 |
| 1.014000 | 29.0 | 17.7 |
| 1.182000 | 29.7 | 17.7 |
| 1.546000 | 29.7 | 16.5 |

Continuous Conducted emission : CC0102NE

Detector : Peak / Average / Cuasi-peak

Project: 28940iem.002
 Company: ERICSSON
 Sample: S/01
 Operation Mode: OM#02
 Date: 2009-03-31 14:31
 Setup: EMI conducted
 Mode: EUT ON. TCH 850MHz. Negative noise.

EC FCC Clase B ESPI CC



Max PK-AVG

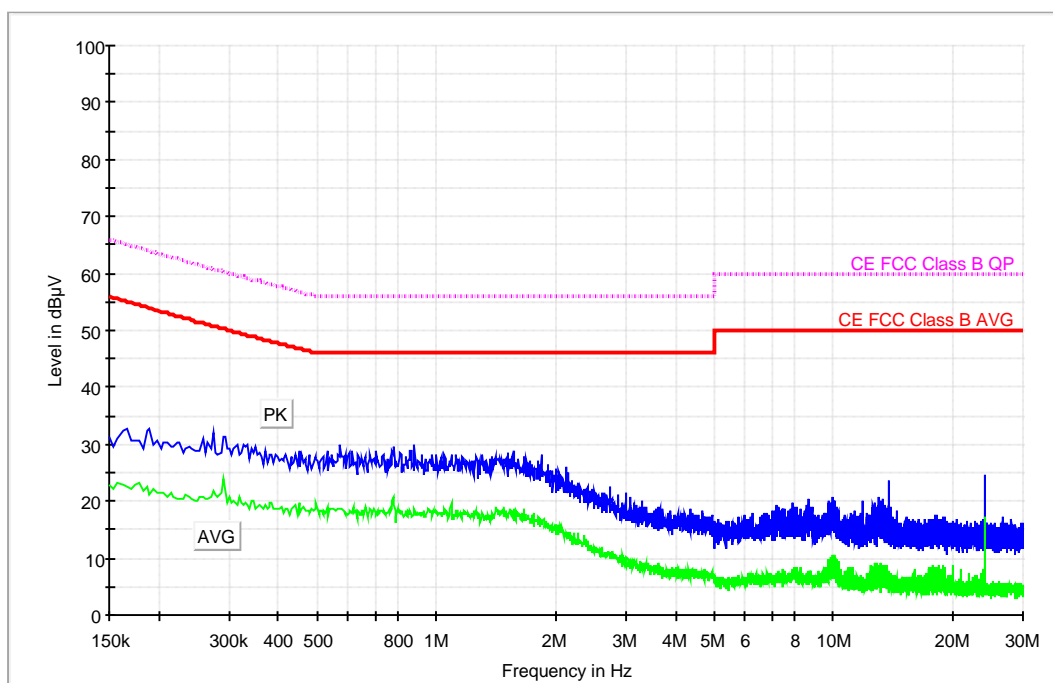
| Frequency (MHz) | MaxPeak-ClearWrite (dBμV) | Average-ClearWrite (dBμV) |
|-----------------|---------------------------|---------------------------|
| 0.530000 | 29.3 | 18.4 |
| 0.630000 | 30.2 | 20.0 |
| 0.634000 | 35.8 | 24.3 |
| 0.638000 | 33.9 | 23.9 |
| 0.646000 | 28.7 | 18.7 |
| 0.702000 | 29.7 | 18.1 |
| 0.778000 | 28.6 | 20.6 |
| 0.782000 | 30.0 | 18.9 |
| 1.122000 | 28.8 | 17.9 |
| 1.130000 | 29.5 | 17.3 |
| 1.214000 | 28.5 | 17.3 |
| 1.598000 | 28.7 | 17.1 |

Continuous Conducted emission : CC0103PO

Detector : Peak / Average / Cuasi-peak

Project: 28940iem.002
 Company: ERICSSON
 Sample: S/01
 Operation Mode: OM#03
 Date: 2009-03-31 14:48
 Setup: EMI conducted
 Mode: EUT ON. IDLE 1900MHz. Positive noise.

EC FCC Class B ESPI CC



Max PK-AVG

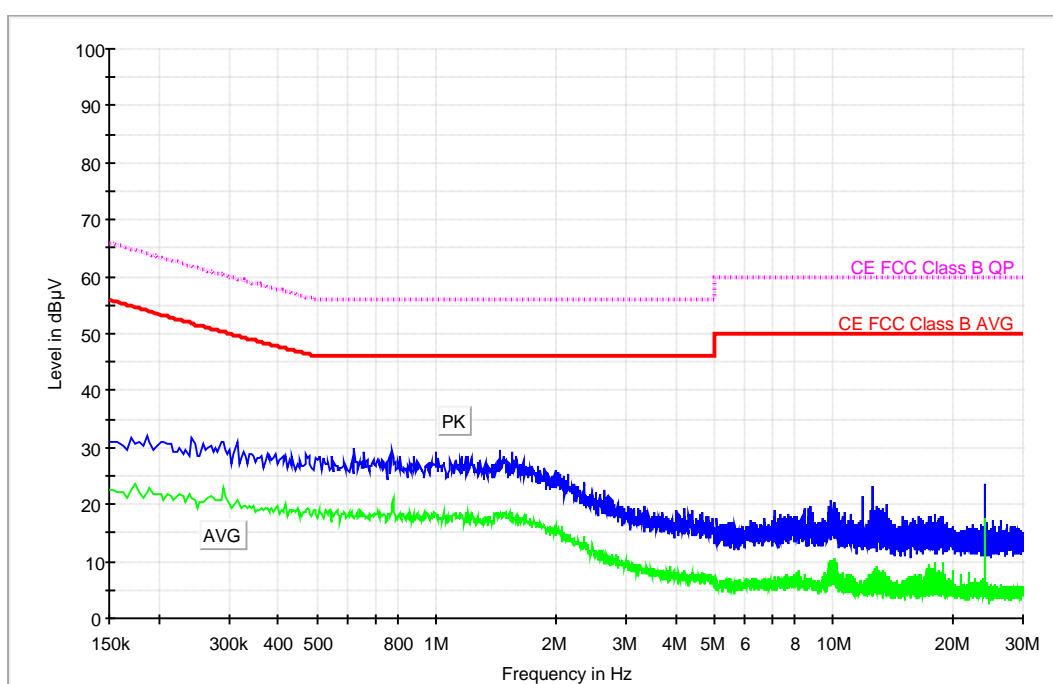
| Frequency (MHz) | MaxPeak-ClearWrite (dBμV) | Average-ClearWrite (dBμV) |
|-----------------|---------------------------|---------------------------|
| 0.530000 | 28.7 | 19.1 |
| 0.574000 | 29.8 | 18.5 |
| 0.602000 | 28.5 | 17.9 |
| 0.614000 | 28.8 | 18.1 |
| 0.706000 | 28.8 | 17.6 |
| 0.774000 | 28.7 | 20.2 |
| 0.782000 | 29.4 | 19.3 |
| 0.810000 | 28.5 | 18.4 |
| 0.862000 | 28.8 | 18.2 |
| 0.866000 | 29.0 | 17.5 |
| 0.882000 | 29.9 | 18.5 |
| 1.570000 | 28.7 | 18.5 |

Continuous Conducted emission : CC0103NE

Detector : Peak / Average / Cuasi-peak

Project: 28940iem.002
 Company: ERICSSON
 Sample: S/01
 Operation Mode: OM#03
 Date: 2009-03-31 14:54
 Setup: EMI conducted
 Mode: EUT ON. IDLE 1900MHz. Negative noise.

EC FCC Class B ESPI CC



Max PK-AVG

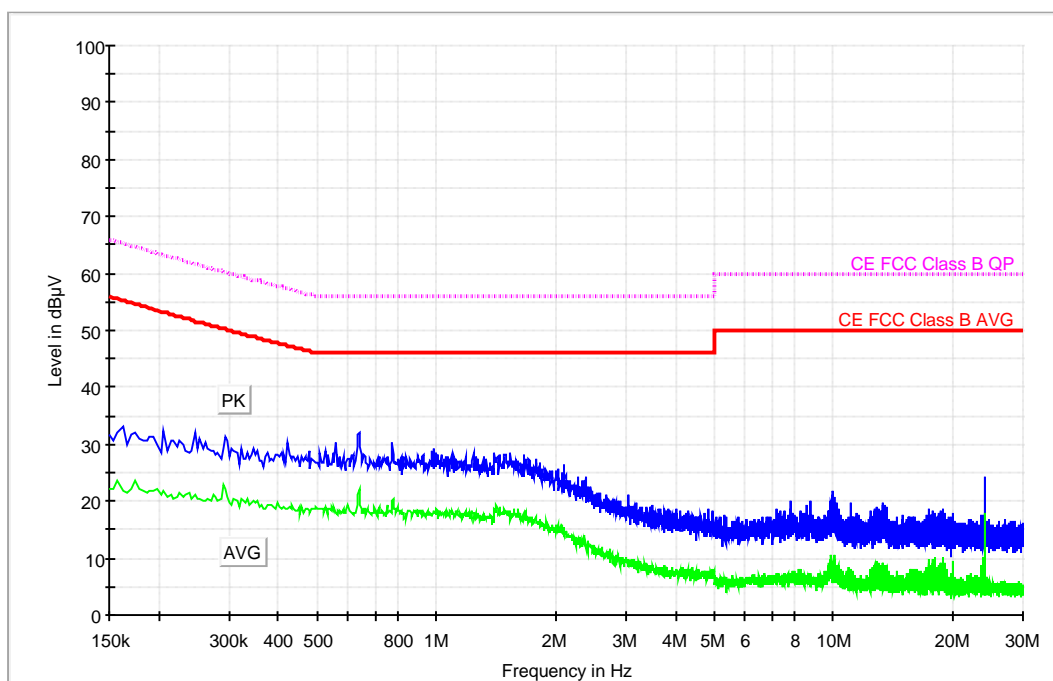
| Frequency (MHz) | MaxPeak-ClearWrite (dBμV) | Average-ClearWrite (dBμV) |
|-----------------|---------------------------|---------------------------|
| 0.546000 | 28.6 | 18.5 |
| 0.622000 | 29.9 | 17.9 |
| 0.658000 | 29.1 | 18.5 |
| 0.774000 | 29.7 | 20.2 |
| 0.810000 | 28.6 | 18.0 |
| 0.998000 | 29.1 | 18.3 |
| 1.162000 | 28.5 | 17.9 |
| 1.182000 | 28.5 | 18.1 |
| 1.202000 | 28.5 | 17.6 |
| 1.442000 | 29.5 | 18.4 |
| 1.474000 | 28.6 | 18.0 |
| 1.554000 | 29.1 | 18.8 |

Continuous Conducted emission : CC0104PO

Detector : Peak / Average / Cuasi-peak

Project: 28940iem.002
 Company: ERICSSON
 Sample: S/01
 Operation Mode: OM#04
 Date: 2009-03-31 14:43
 Setup: EMI conducted
 Mode: EUT ON. TCH 1900MHz. Positive noise.

EC FCC Class B ESPI CC



Max PK-AVG

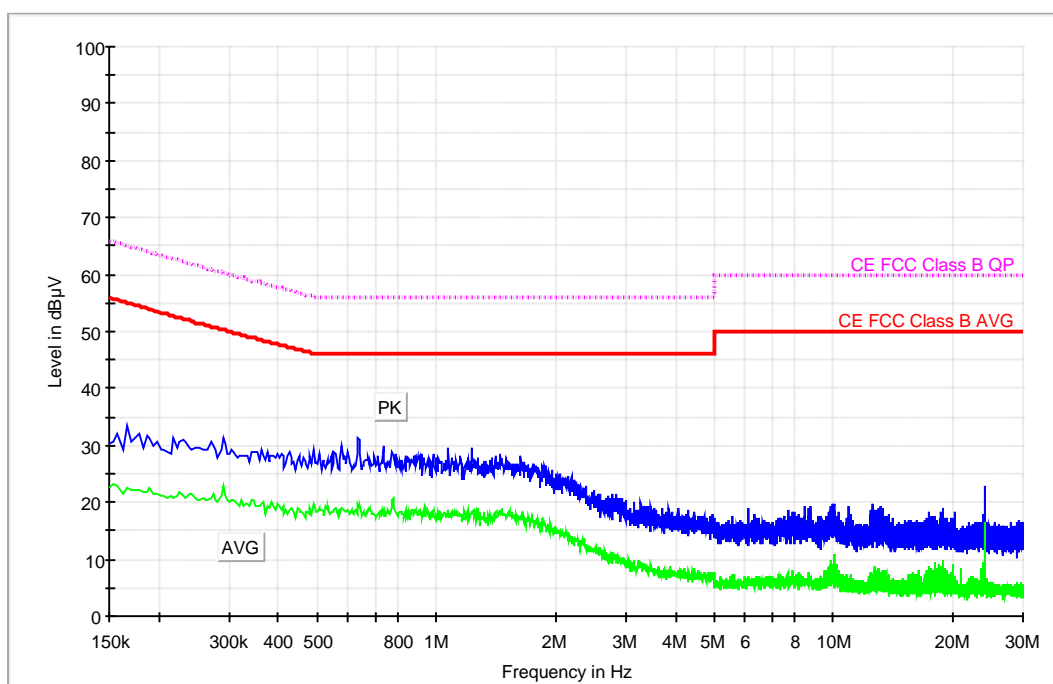
| Frequency (MHz) | MaxPeak-ClearWrite (dBμV) | Average-ClearWrite (dBμV) |
|-----------------|---------------------------|---------------------------|
| 0.510000 | 28.5 | 18.5 |
| 0.526000 | 28.9 | 19.2 |
| 0.550000 | 28.6 | 18.4 |
| 0.558000 | 30.1 | 18.0 |
| 0.630000 | 29.5 | 19.5 |
| 0.634000 | 31.7 | 21.1 |
| 0.638000 | 32.1 | 22.1 |
| 0.642000 | 29.6 | 19.4 |
| 0.774000 | 30.2 | 19.9 |
| 0.974000 | 29.0 | 17.9 |
| 0.990000 | 29.2 | 17.8 |
| 1.002000 | 28.5 | 18.7 |

Continuous Conducted emission : CC0104NE

Detector : Peak / Average / Cuasi-peak

Project: 28940iem.002
 Company: ERICSSON
 Sample: S/01
 Operation Mode: OM#04
 Date: 2009-03-31 14:45
 Setup: EMI conducted
 Mode: EUT ON. TCH 1900MHz. Negative noise.

EC FCC Clase B ESPI CC



Max PK-AVG

| Frequency (MHz) | MaxPeak-ClearWrite (dBμV) | Average-ClearWrite (dBμV) |
|-----------------|---------------------------|---------------------------|
| 0.554000 | 28.9 | 18.8 |
| 0.578000 | 29.9 | 19.1 |
| 0.598000 | 28.7 | 18.7 |
| 0.630000 | 28.7 | 18.1 |
| 0.634000 | 31.2 | 19.5 |
| 0.638000 | 30.8 | 19.0 |
| 0.642000 | 28.7 | 19.4 |
| 0.734000 | 30.1 | 18.8 |
| 0.770000 | 29.0 | 18.9 |
| 0.774000 | 28.7 | 20.3 |
| 1.074000 | 29.5 | 17.8 |
| 1.226000 | 29.4 | 18.2 |

APPENDIX B: Pictures

